

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (Previously Presented) A polymer composition comprising
 - (A) optionally a matrix polymer,
 - (B) a nanofiller which is a clay-based layered material
 - (C) a polyolefin with functional groups which has been prepared directly by polymerizing olefin monomers with comonomers comprising functional groups using a single site catalyst.

2. (Currently Amended) A polymer composition according to claim 1, wherein the fraction of the comonomers with functional groups in polyolefin (C) is from 0.05 to 10 mol%, ~~preferably from 0.1 to 5 mol% and still more preferred from 0.1 to 2 mol%.~~

3. (New) A polymer composition according to claim 2, wherein the fraction of the comonomers with functional groups in polyolefin (C) is from about 0.1 to 5 mol%.

4. (New) A polymer composition according to claim 3, wherein the fraction of the comonomers with functional groups in polyolefin (C) is from 0.1 to 2 mol%.

53. (Currently Amended) A polymer composition according to ~~claims 1 or 2,~~ wherein polyolefin (C) is a polyolefin with polar groups.

46. (Currently Amended) A polymer composition according to claim 3, wherein the polar comonomers used in the preparation of polyolefin (C) are monomers comprising a carbon-carbon double bond and an organic alcohol or acid group.

57. A polymer composition according to claim 46, wherein said comonomers comprise from 6 to 18 carbon atoms, ~~and more preferably from 8 to 16 carbon atoms.~~

8. (New) A polymer composition according to claim 7 wherein said comonomers comprise from 8 to 16 carbon atoms.

~~69.~~ A polymer composition according to ~~any of the preceding claims~~ claim 1, wherein polyolefin (C) is a copolymer comprising ethylene and/or propylene monomers and comonomers with functional groups.

~~710.~~ (Currently Amended) A polymer composition according to claim 1 wherein nanofiller (B) has been intercalated with a quaternary ammonium compound containing intercalating agent.

~~811.~~ (Currently Amended) A polymer composition according to ~~any of the preceding claims~~ claim 1, wherein matrix polymer (A) is a polyolefin.

~~912.~~ (Currently Amended) A polymer composition according to claim 8, wherein matrix polymer (A) is an ethylene or propylene homo- or copolymer.

~~4013.~~ (Currently Amended) A polymer composition according to ~~any of the preceding claims~~ claim 1, wherein polyolefin (C) is present in an amount of 1 to 100; preferably of 5 to 50 and still more preferred of 4 to 10 parts by weight per 100 parts by weight of the total composition.

14. (New) A polymer composition according to claim 13 wherein polyolefin (C) is present in an amount of 5 to 50 parts by weight per 100 parts by weight of the total composition.

15. (New) A polymer composition according to claim 14 wherein polyolefin (C) is present in an amount of 4 to 10 parts by weight per 100 parts by weight of the total composition.

~~4416.~~ (Currently Amended) A polymer composition according to ~~any of the preceding claims~~ claim 1, wherein nanofiller (B) is present in an amount of 1 to 15; preferably of 2 to 10 and still more preferred of 4 to 10 parts by weight per 100 parts by weight of the total composition.

17. (New) A polymer composition according to claim 16 wherein nanofiller (B) is present in an amount of 2 to 10 parts by weight per 100 parts by weight of the total composition.

18. (New) A polymer composition according to claim 17 wherein nanofiller (B) is present in an amount of 4 to 10 parts by weight per 100 parts by weight of the total composition.

~~4219.~~ (Currently Amended) A polymer composition according to ~~any of the preceding claims~~ claim 1, wherein the matrix polymer (A) is present in an amount of from 0 to 98, ~~preferably from 40 to 93 and still more preferred from 45 to 91~~ parts by weight per 100 parts by weight of the total composition.

20. (New) A polymer composition according to claim 19, wherein the matrix polymer (A) is present in an amount of from 40 to 93 parts by weight per 100 parts by weight of the total composition.

21. (New) A polymer composition according to claim 20 wherein the matrix polymer (A) is present in an amount of from 45 to 91 parts by weight per 100 parts by weight of the total composition.

~~4322.~~ (Currently Amended) Use of a polyolefin with functional groups which has been prepared by polymerizing olefin monomers with comonomers comprising functional groups using a single site catalyst as a compatibiliser in a polymer composition comprising a matrix polymer and a nanofiller which is a clay-based layered material.